

Appl. No.: 10/697,349
Docket No.: H1799-00225
Response to Office Action of November 7, 2005

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. -- 3. (Cancelled)

4. (Currently Amended) A heat pipe assembly, comprising:

a heat pipe having an envelope, the envelope having two elongated flat sides and two curved portions connecting the flat sides, the elongated sides having a length that is substantially greater than a radius of curvature of the curved portions, said envelope comprising an external surface; and

at least one fin comprising a plate, the plate having a hole therethrough that is sized to accommodate the envelope, the hole having two elongated flat sides and two curved portions connecting the flat sides, the elongated sides having a length that is substantially greater than a radius of curvature of the curved portions, the plate having at least two confronting collar portions adjacent to the hole, the two confronting collar portions extending approximately in a direction normal to the plate, each of said at least two collar portions having an internal flat surface confronting said hole and further said at least two collar portions being spaced from one another so as to define at least two slots in said plate;

and wherein said internal flat surface of each including an internal flat surface that of said at least two collar portions securably engages and grips a corresponding

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portion of said external surface portion of one of said two elongated flat sides of said envelope so as to form a compression fit between said heat pipe and said plate in the absence of bonding agents.

5. – 7. (Cancelled)

8. (Original) The heat pipe assembly of claim 4, wherein the assembly includes a plurality of fins.

9. – 18. (Cancelled)

19. (Currently Amended) A heat pipe assembly, comprising:

a heat pipe having an envelope, the envelope having two elongated flat sides and two curved portions connecting the flat sides, the elongated sides having a length that is substantially greater than a radius of curvature of the curved portions; and

a plate having a hole defined therethrough for accepting a portion of said heat pipe, said hole having two elongated flat sides and two curved portions connecting the flat sides, the elongated sides having a length that is substantially greater than a radius of curvature of the curved portions, said plate having at least one collar portion adjacent to the hole, the collar portion extending approximately in a direction normal to said plate, wherein said collar comprises at least two portions, separated from one another by a plurality of slots in said plate with each of said two portions of said collar including an internal flat surface that securably engages and grips a surface portion of

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one of said two elongated flat sides of said envelope so as to form a compression fit between said heat pipe and said plate in the absence of bonding agents.

20. (Previously Presented) A heat pipe assembly of claim 19 wherein the plate has at least one bent edge that is spaced away from said collar.

21. (Previously Presented) A heat pipe assembly of claim 19 wherein the plate has at least one embossed surface.